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SKYLAB - EREP Investigations of
Wetlands Ecology
NASI - 12209

June 6, 1974 to August 6, 1974

Progress Report No. 8

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Bi-Monthly Progress Report
June 6, 1974 - August 6, 1974
NASI - 12209
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I. Overall Status of the Project

With reference to the Milestone Plan and Project Objectives, the overall status of the project is as follows:

1. Field trips are scheduled for June through August 1974 for vegetation map field checking and ground truth update.
2. Analysis of Skylab data, comparison of these data with ERTS and investigation of possible techniques for mapping wetland information is continuing. Density slicing of B/W transparencies has been accomplished using Antech, Datacolor and Interpretation System International. Color IR transparencies have been analysed with the General Electric GEMS System.
3. The following SKYLAB data have been received:

SKYLAB 2 (1x dup. & 4x enlargements) S190A
Rolls 7-12, Frames 153-158 (Georgia, 90% clouds, June)
Rolls 13-18, Frames 163-169 (Chesapeake, June)

SKYLAB 3 (1x dup. & 4x enlargements) S190A
Rolls 37-42, Frames 122-129 (New Jersey & Chesapeake, Sept.)

SKYLAB 4 (1x dup.) S190A
Roll 52, Frames 070-078 (South Carolina-Georgia, unfiltered Nov.)

Rolls 67-72, Frames 161-175 (Georgia, 90% clouds, Feb.)

SKYLAB 4 (1x dup.) S109B

Roll 90, Frames 047-056 (South Carolina-Georgia, Nov.)

Roll 93, Frames 159-166 (Cape Kennedy, Feb.)

II. Recommendations to Ensure Attainment of Project Objectives

The following SKYLAB data, which would be very useful, has been requested:

SKYLAB 3 S190A

Rolls 18-23, Frames 193-197 (Chesapeake, Sept.)

SKYLAB 3 S190B

Roll 83, Frames 164-169 (Chesapeake, Sept.)

Roll 86, Frames 299-302 (New Jersey-Chesapeake, Sept.)

SKYLAB 4 S190A

Roll 51, Frames 70-74 (false color IR & B/W separations),
(South Carolina, Georgia, unfiltered Nov.)

We have also requested that our SKYLAB 2 & 3 B/W 4x enlargements be reworked with contrast enhancement.

III. Expected Accomplishments for August - Sept.

With reference to the SKYLAB FINAL PRODUCT FLOW CHART presented in Progress Report No. 5, the following steps are expected to be completed during the next two months:

1. completion of final product overlays
2. field checking
3. begin comparisons with S190B and ERTS data

IV. Significant Results

Information from the completed pilot study area maps is being transferred to the final map product overlays. The ERTS map base with grid is in preparation.

V. Summary Outlook for Remaining Effort

Preparation of the final products to meet project objectives will continue.

VI. Travel Summary

Two field trips were made to the test area. A helicopter was rented for thorough coverage and determination of preliminary product accuracy. Salinity measurements were made to correlate with marsh classification.

A trip to Houston was made to attend the P.I. Data meeting.